Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently amended) A packet transmission network operating in accordance with a packet switching method, comprising a plurality of network nodes coupled via at least two rings, wherein each of the at least two rings operate in pairs that work in opposite directions, the nodes containing each in status tables entries about the location of a defect and switched loops from one ring to another ring in a network node, ~~characterized in that~~wherein a network node, after detecting a repaired defect, is provided for changing an entry in its status table and for transmitting a repair message of a first type about the location of the repaired defect to all the network nodes that can be reached.

2.   (Currently amended) A network as claimed in claim 1, ~~characterized in that~~wherein a network node, after reception of a repair message of the first type, is provided for changing an entry in its status table and for checking whether a loop in the network node running from one ring to the other is to be canceled and

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in that the network node, after canceling a loop, is provided for
sending a repair message of a second type about the cancellation of
the loop to all the network nodes that can be reached.

3.   (Currently amended) A network as claimed in claim 2,
~~characterized in that~~wherein a network node is provided for
canceling a loop from one ring to another in the network node when
the network node contains in its status table:
entries for one or more simplex cable ruptures on a ring, or
entries for a loop message about a defect on one ring and a repair
message of a first type relating to the other ring in case of a
duplex cable rupture, or
entries for two loop messages about defects on one ring and two
repair messages of the first type relating to the other ring, or
exactly four entries and a loop message about a defect on one ring
and at least one repair message of the first type relating to the
other ring, or
exactly four entries and two repair messages of the first type
relating to one ring and one loop message each about a defect
relating to the other ring, or
exactly three entries and one loop message about a defect on one
ring and a repair message of a first type relating to the other
ring.

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4.   (Currently amended) A network as claimed in claim 1,
~~characterized in that~~wherein a network node of an isolated node
group or of an isolated node is provided for a renewed transmission
of a repair message of the first type already sent out once before
when, as a result of the repair of a defect and a message about it,
there is no longer an isolated node group or an isolated node.

5.   (Currently amended) A network as claimed in claim 1,
~~characterized in that~~wherein a network node is provided for erasing
a repair message of a first or second type sent out by the network
node itself.

6.   (Currently amended) A network node in a packet transmission
network operating in accordance with the packet switching method,
the network having further network nodes coupled via at least two
rings, wherein each of the at least two rings operate in pairs
working in opposite directions, ~~which~~ the nodes contain in status
tables entries about the location of a defect and switched loops
running from one ring to another in a network node,
~~characterized in that~~wherein
the network node, after the detection of a repaired defect, is
provided for changing an entry in its status table and for
transmitting a repair message of the first type about the location

of the repaired defect to all the other network nodes that can be reached.

7.   (New)   A ring node network comprising a plurality of ring nodes operating in a defect protection state, wherein each of the plurality of ring nodes comprises a status table of defect locations, wherein at least one of the plurality of ring nodes is configured transmit a repair message to all reachable ring nodes to update the reachable ring nodes status tables.